IN THE CLAIMS

Cancel claims 7, 19-26 and 57-58 without prejudice or disclaimer.

Please amend the claims as follows:

1-5. (Canceled)

6. (Currently Amended) A method of protecting non-mucosal tissue against damage from radiation therapy, the method comprising:

administering to a mammalian subject afflicted with cancer and treated with radiation therapy a composition comprising a therapeutically effective amount of glutamine or a pharmaceutically acceptable salt thereof, and carbohydrate in an amount effective to increase the absorption of glutamine by the subject, wherein the composition ~~that~~ protects the non-mucosal tissue against damage from the radiation therapy.

7. (Canceled)

8. (Currently Amended) The method of claim 6 ~~or 7~~ wherein the composition allows the subject to be treated with a higher dose of radiation and/or treated with radiation for a longer time.

9. (Currently Amended) The method of claim 6 ~~or 7~~ wherein the non-mucosal tissue is breast tissue or associated upper body tissue.

10. (Original) The method of claim 9 wherein the composition prevents increased breast density or lessens the severity of increased breast density.

11. (Currently Amended) The method of claim 6 ~~or 7~~ wherein the composition prevents edema or lessens the severity of edema.

12. (Original) The method of claim 11 wherein the edema is of breast tissue.

13. (Currently Amended) The method of claim 6~~ or 7~~ wherein the non-mucosal tissue is skin.

14. (Currently Amended) The method of claim 6~~ or 7~~ wherein the composition protects the appearance of the non-mucosal tissue.

15-43. (Canceled)

44. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the amount of glutamine administered is at least 0.5 mg per day per kg body mass of the subject.

45. (Original) The method of claim 44 wherein the amount of glutamine administered is 0.2 g to 3.0 g per day per kg body mass of the subject.

46. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the amount of glutamine administered to the subject is less than 0.5 g per kg per day.

47. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the amount of glutamine administered to the subject is less than 0.1 g per kg per day.

48. (Currently Amended) The method of claim 6~~ 7 or 20~~, wherein the carbohydrate comprises one or more monosaccharides or disaccharides.

49. (Currently Amended) The method of claim 6~~ 7 or 20~~, wherein the carbohydrate comprises a sugar alcohol.

50. (Currently Amended) The method of claim 6~~ 7 or 20~~, wherein the weight ratio of total carbohydrate to glutamine in the composition is 0.5:1 to 50:1.

51. (Currently Amended) The method of claim 6 ~~7 or 20~~, wherein the weight ratio of total carbohydrate to glutamine is at least 4:1 in an aqueous solution, either after preparation with an aqueous solvent or after delivery in an aqueous environment of the mammalian subject.

52. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the composition comprises no more than 5 naturally occurring amino acids other than glutamine.

53. (Original) The method of claim 52 wherein the composition comprises no naturally occurring amino acids other than glutamine.

54. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the composition is administered orally.

55. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the mammalian subject is a human.

56. (Currently Amended) The method of claim 6, ~~7, 19, or 20,~~ wherein the composition is administered after or while administering radiation therapy to the subject.

57-58. (Canceled)